

California Water Conditions Synopsis for June 2003

June was dry, and most rivers receded below average as the remaining snowpack melted. The spring snowmelt freshet came in one big surge this year between mid-May and mid-June, resulting in relatively high peak daily flows and higher reservoir storages than expected. Statewide reservoir storage peaked in the second week of June, and is now dropping at about an average pace.

Precipitation during June was 10 percent of average statewide. The cumulative statewide precipitation since October is 110 percent of average compared to 80 percent one year ago.

Snowpack water content decreased to near zero by the end of the month as sunny weather accelerated the snowmelt. Some snow still remains above 10,000 feet in the High Sierra.

Runoff during June was near average statewide, with higher percentages in northern California. Cumulative statewide runoff for the water year is 105 percent of average, compared to 75 percent at this time last year. There was a pronounced gradient from above average in the northwest to below average in the remainder of California this year.

Forecasts of April through July runoff remain slightly above average statewide. The runoff forecasts range from 120 percent of average inflow to Lake Shasta to about 70 percent of average in the Kern River. Water year forecasts also total 100 percent of average overall.

Reservoir storage was about 105 percent of average statewide on July 1, 15 percent more than last year. Maximum storage reached this spring at selected major reservoirs (in thousand acre-feet) is as follows:

| <u>Reservoir</u> | <u>River</u> | <u>Capacity</u> <u>[TAF]</u> | <u>Peak Storage</u> <u>[TAF]</u> | <u>Date</u> |
|------------------|------------------|---------------------------------|-------------------------------------|-------------|
| Trinity | Trinity | 2,448 | 2408 | June 12 |
| Shasta | Upper Sacramento | 4,552 | 4537 | April 30 |
| Oroville | Feather | 3,538 | 3530 | June 9 |
| New Bullards Bar | Yuba | 966 | 965 | June 5 |
| Folsom | American | 977 | 967 | June 2 |
| Camanche | Mokelumne | 417 | 397 | June 13 |
| New Melones | Stanislaus | 2,420 | 1492 | June 11 |
| Don Pedro | Tuolumne | 2,030 | 1863 | June 19 |
| McClure | Merced | 1,025 | 678 | June 20 |
| Millerton | San Joaquin | 520 | 525 | June 7 |
| Pine Flat | Kings | 1,000 | 805 | June 8 |
| Terminus | Kaweah | 143 | 121 | May 28 |
| Success | Tule | 82 | 74 | June 10 |
| Isabella | Kern | 568 | 313 | June 19 |
| San Luis | (Off aqueduct) | 2,039 | 1979 | April 13 |